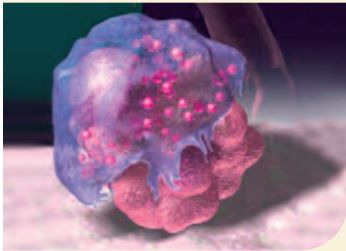




Inflammation Rheumatoid Arthritis Program

AUGUST 2011



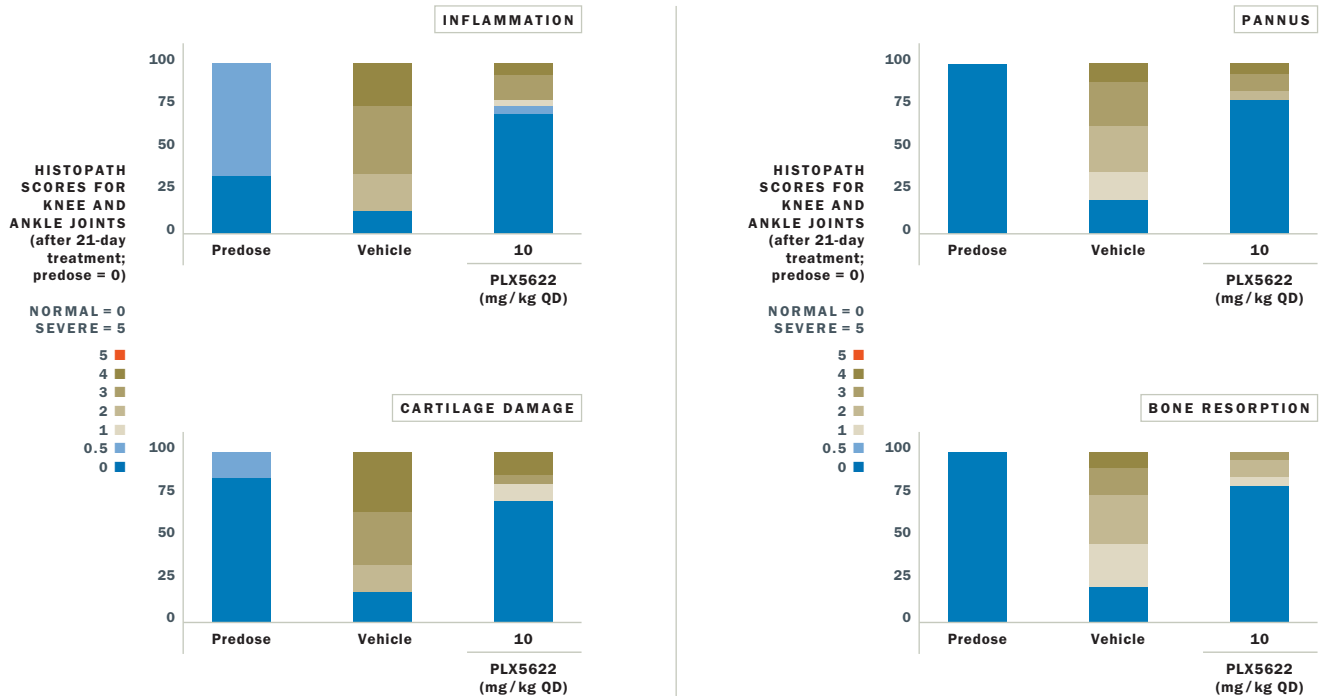
MODULATION OF MACROPHAGE PROLIFERATION IS ONE KEY FEATURE OF PLX5622

First-in-Class Oral DMARD for RA – PLX5622

Plexxikon is developing PLX5622, a novel, oral and highly selective kinase inhibitor that down-modulates macrophages and osteoclasts. These cells are drivers of a number of auto-immune diseases, including rheumatoid arthritis and multiple sclerosis. PLX5622 is being evaluated in a Phase 1 clinical trial for initial safety, pharmacokinetics and tolerability.

PLX5622 is expected to provide therapeutic benefit by modulating macrophage proliferation, inhibiting production of pro-inflammatory cytokines, and preventing the formation of osteoclasts. Osteoclasts' bone resorptive activity is responsible for excessive bone destruction in several diseases.

PLX5622 has demonstrated preclinical efficacy in a variety of disease models, including rheumatoid arthritis.

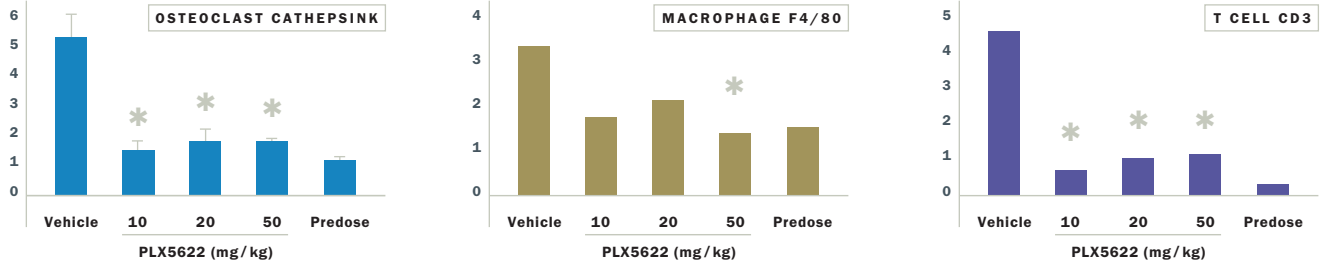


FMS-SELECTIVE PLX5622 INHIBITS INFLAMMATION, CARTILAGE DAMAGE, PANNUS AND BONE RESORPTION

Program Highlights

- Phase 1 clinical trial under way
- Initial indication—RA

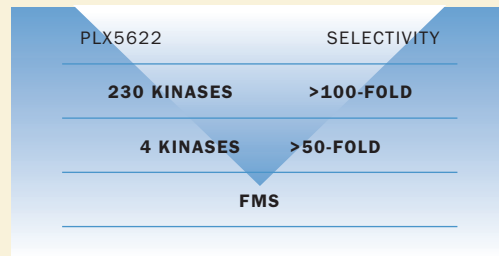
PLX5622 Down-Modulates Osteoclasts, Macrophages and T Cells



PLX5622 REDUCES OSTEOCLAST, MACROPHAGE AND T CELL SCORES IN JOINT TISSUE MODELS

Plexikon Kinase Inhibitors Are Highly Selective

Plexikon's Scaffold-Based Drug Discovery™ platform has proven very successful in the development of highly selective kinase inhibitors. This capability is a significant competitive advantage, particularly in the development of kinase inhibitors for the treatment of chronic, non-life threatening auto-immune diseases, such as rheumatoid arthritis and multiple sclerosis.



PLX5622 - A VERY SELECTIVE KINASE INHIBITOR
(Panel of 235 Kinases Biochemically Screened)

PLX5622 Profile

ANTI-INFLAMMATORY

BONE PROTECTIVE

ORALLY AVAILABLE



Plexikon Inc., a member of Daiichi Sankyo Group

91 Bolivar Drive
Berkeley, CA 94710

Phone: 510.647.4000
Fax: 510.548.8014

info@plexikon.com
www.plexikon.com